



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

14306 Park Avenue Victorville, CA 92392-2310
760.245.1661 -- 800.635.4617 -- FAX 760.245.2022

PERMIT TO OPERATE

B010867

Operation under this permit must be conducted in compliance with all information included with the initial application, initial permit condition, and conditions contained herein. The equipment must be maintained and kept in good operating condition at all times. This Permit to Operate or copy must be posted on or within 8 meters of equipment. If a copy is posted, the original must be maintained on site, available for inspection at all times.

EXPIRES LAST DAY OF: SEPTEMBER 2025

OWNER OF OPERATOR (Co. #1634)

Fisher Ranch Corporation
10600 Ice Plant Rd
Blythe, CA 92225

EQUIPMENT LOCATION (Fac. #2774)

Fisher Ranch Blythe
10600 Ice Plant Rd
Blythe, CA 92225

Description:

Engine #4, SPARK-IGNITED 4SLB NATURAL GAS IC ENGINE, GENERATOR consisting of: Engine is vented to a CSM Model 42B Selective Catalytic Reduction/2-Way Oxidation Catalyst System ENGINE IS SUBJECT TO THE REQUIREMENTS OF 40 CFR 63 SUBPART ZZZZ FOR ENGINES >500BHP LOCATED AT A HAP AREA SOURCE Stack Exhaust Flow rate is 1287 CFM at a temperature of 500 degrees F. Flow Velocity is 2200 FPM. Stack Height is 21 feet, Stack Diameter is 1.5 feet. Facility Elevation is 263 feet above sea level.

One Guasco, NG fired internal combustion engine Model No. SDFGLD560 and Serial No. 330200, Turbo Charged, producing 1057 bhp with 16 cylinders at 1200 rpm while consuming a maximum of 8252.7 scf/hr. This equipment powers a Newage Generator Model No. HCL 726F and Serial No. G1-157710-01, rated at 750 kW.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	0.06	gm/bhp-hr
NOx	0.03	gm/bhp-hr
PM10	0.03	gm/bhp-hr
SOx	0.01	gm/bhp-hr
VOC	0.12	gm/bhp-hr

CONDITIONS:

Fee Schedule: 1 (d) Rating: 1057 bhp SIC: 161 SCC: 20100202 Location/UTM(Km): 727E/3727N

This permit does not authorize the emission of air contaminants in excess of those allowed by law, including Division 26 of the Health and Safety Code of the State of California and the Rules and Regulations of the District. This permit cannot be construed as permission to violate existing laws, ordinances, statutes or regulations of this or other governmental agencies. This permit must be renewed by the expiration date above. If billing for renewal fee required by Rule 301(c) is not received by expiration date above, please contact the District.

Fisher Ranch Corporation
10600 Ice Plant Rd
Blythe, CA 92225

By: **COPY**
Brad Poiriez
Air Pollution Control Officer

1.This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer, supplier, and or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.

[District Rule 1302]

2.The o/o shall maintain a log for this unit, which, at a minimum, contains the information specified below. This log shall be maintained current and on-site for a minimum of two (2) years and shall be provided to District personnel on request:

- a. Dates of routine maintenance;
- b. Dates of major repairs and/or replacements;
- c. Monthly fuel use;
- d. Date and summary of any emissions corrective maintenance action, and
- e. Hours of operation.

[District Rule 204]

3.This equipment shall be exclusively fueled with pipeline quality natural gas with a sulfur content not exceeding 1.0 grains per 100 dscf on a rolling twelve month average basis. Compliance with this limit shall be demonstrated by providing evidence of a contract, tariff sheet or other approved documentation that shows that the fuel meets the definition of pipeline quality gas.

[District Rule 1302(C)(2)(a)]

4.This ICE shall not be operated unless its emissions are vented through a properly operating SCR emission control device operating with valid District Permit C010895.

[District Rules 204 & 1303]

5.The entire facility shall not emit any of the Regulated Pollutants listed below in excess of the following limits in any consecutive 12 month period to remain below the USEPA's Synthetic Minor - 80% (SM-80) threshold:

- a. Oxides of Nitrogen (NOx): 20 tons per consecutive twelve (12) month period, measured as NO₂;
- b. Oxides of Sulfur (SOx): 20 tons per consecutive twelve (12) month period;
- c. Volatile Organic Compounds (VOC): 20 tons per consecutive twelve (12) month period;
- d. Carbon Monoxide (CO): 80 tons per consecutive twelve (12) month period;
- e. Hydrogen Sulfide (H₂S): 8 tons per consecutive twelve (12) month period;
- f. Lead (Pb): 0.48 tons per consecutive twelve (12) month period;
- g. Particulate Matter 10 microns and less (PM₁₀): 14.5 tons per consecutive twelve (12) month period;
- h. Any single Hazardous Air Pollutant (HAP): 8 tons per consecutive twelve (12) month period; and,
- i. All HAPs combined: 20 tons per consecutive twelve (12) month period.

Compliance with these limits shall be demonstrated through the submission of a facility-wide Comprehensive Emission Inventory (CEI) for all emitted Regulated Air Pollutants. Exceedance of these emission limits may trigger offsets, BACT, National Emission Standards for Hazardous Air Pollutants (NESHAP), and/or require submission of a Title V permit application.

[District Rules 1302 and 1303]

6.No, air contaminant shall be released into the atmosphere which causes a public nuisance.

[District Rule 402]

7.Owner/operator shall not discharge into the atmosphere a visible emission with a shade as dark or darker than Ringelmann 1, or with an opacity of 20% or greater, for a period aggregating more than three minutes in any one hour.

[District Rule 401]

8.Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration.

[District Rules 204 & 1303]

9.NH₃ emissions shall not exceed 10 ppmvd @ 15% O₂ (based on a one hour averaging period).

[District Rules 204 & 1303]

10.NO_x emissions shall not exceed 9 ppmv @ 15% O₂ (based on a 15 minute averaging period).

[District Rules 204 & 1303]

11.VOC emissions shall not exceed 40 ppmv, as CH₄, @ 15% O₂ (based on a 15 minute averaging period).

[District Rules 204 & 1303]

12.CO emissions shall not exceed 30 ppmv @ 15% O₂ (based on a 15 minute averaging period).

[District Rules 204 & 1303]

13.PM₁₀ emissions shall not exceed 10.0 lb/MMscf-fuel.

[District Rules 204 & 1303]

14.Source testing for NO_x, CO, VOC and NH₃ shall be conducted within 60 days of initial start-up, and every 12 months thereafter.

The owner/operator must submit a compliance/certification test protocol at least thirty (30) days prior to the compliance/certification test date. The owner/operator must conduct all required compliance/certification tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/certification test date so that an observer may be present. The final compliance/certification test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/certification test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov.

[District Rule 204]

15.A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.

[District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]